The Working Group on Power had recommended a capacity addition programme of 38369 MW which covers installation of low, medium and large capacity generating units **for** meeting the power requirements of various States|UTs.

Supply of Coal to thermal power Stations

992. SHRI S. K. T. RAMACHANDRAN: Will the Minister of COAL be pleased to state:

(a) what is the total requirement of coal for thermal power plants in the country;

(b) whether the supply of coal is keeping pace with the demand; and

(c) what steps are being taken by Government to supply required quantity of coal, regularly to all Thermal power plants in the country so that continued power generation is not affected?

THE DEPUTY MINISTER IN THE MINISTRY OF COAL (SHRI S. B. NYAMAGOUDAR); (a) The total requirement of coal for thermal power stations for the year 1991-92 as projected by tiie Department of Power is 146 million tonnes (139 million tonnes for power generation and 7 million tonnes for building up stocks). This is 23.7 per cent higher than the actual supplies of approx. 118 million tonnes during 1990-91.

(b) According to provisional data made available by Coal Companies, thermal power stations received 31.67 million tonnes of coal from 1.4.91 to 30.6.91 which is 9.6 per cent higher than the quantity received during the same period last year.

(c) The Ministry of Coal is taking following steps to improve supply of coal to thermal power stations;

(i) Production of coal by coal companies is being monitored on daily basis and efforts are being made to further increase the production;

(ii) Efforts are being made to step up despatch of coal to the thermal power stations by increasing rail loading and ensuring maximum supply through other means like road, convey or belt etc.

Use of Vegetable Oils in Diesel Engines

993. DR. BAPU KALDATE:

SHRIMATI KAMLA SINHA:

Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether Scientists at IIT, Madras, have, after a study sponsored by the Department of Non-Conventional Energy Sources, indicated the possibility of using pure vegetable oils in diesel engines;

(b) if so, what are the details thereof; and

(c) whether Government propose to exploit these possibilities.

THE MINISTER OF STATE (IN DEPENDENT CHARGE) OF THE MINISTRY OF POWER AND NON-CONVENTIONAL ENERGY SOURCES (SHRI KALP NATH RAI): (a> to (c) In order to explore the possibility of utilising non-edible oils as an alternative fuel to diesel for use in internal combustion engines Department of Non-Conventional Energy Sources has sponsored a project at IIT, Madras, The project work is in progress, and the possibility of using non-edible oils in diesel engines will depend on the results of the study.

टिहरी पन-बिजली परियोजना की लागत और निर्माण अवधि में वृद्धि

994. श्री अनन्त राम जायसवाल : क्या विद्युत और गैर-पारम्परिक ऊर्जा स्रोत मंत्री यह बताने की कृपा करेंगे कि :

(क) आरम्भ में टिहरी पन-बिजली परियोजना की अनुमानित लागत कितनी

थी और उसे कब तक पूरा किया जाना था;

(ख) 15 जुलाई 1991 तक, टिहरी बांध परियोजना पर कितनी धनराशि व्यय हुई; और

(ग) इस परियोजना को समय पर पूरा न किये जाने के क्या कारण हैं और इस समय कितने यूनिट विद्युत उत्पादन का नुकसान हुआ है ?

विद्युत और गैर पारम्परिक ऊर्जा स्रोत मंत्रालय के राज्य मंत्री (श्री **कल्प नाथ राय**) : (क) टिहरी जल विद्युत परियोजना (600 मेगा०) प्रारम्भ में 1972 में योजना आयोग द्वारा स्वीकृत की गई थी इसको 197.92 करोड़ रु० की अनुमानित लागत पर 10 वर्षों में पूरा किए जाने का कार्यक्रम था। इसकी प्रतिष्ठापित क्षमता अब बढ़ाकर 1000 मेगावाट कर दी गई है।

(ख) टिहरी बांध परियोजना पर 15 जुलाई, 1991 तक खर्च की गई राशि लगभग 620.18 करोड़ रु० है।

(ग) निधियों की कमी और परियोजना निर्माण में विरोध किए जाने के कारण कार्य में आई बाधा के फलस्वरूप परियोजना कार्यों में देर हो गई है। परियोजना द्वारा 90 प्रतिशत विश्वसनीय वर्ष में 3091 मिलियन यूनिट विद्युत का वार्षिक रूप से घाटा हो रहा है।

Fending Power Projects of Bihar

995. SHRI CHATURANAN MISHRA: Will the Minister of POWER AND NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether it is a fact that a number of power projects from Bihar are presently pending for Centre's clearance; and

(b) if so, the details thereof?

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF POWER AND NON-CONVENTIONAL ENERGY SOURCES (SHRI KALP NATH RAI), (a) and (b) The details are given below:—

Name of Project	Capacity (MW)	Present status
1. Patratu Extension (T) (Stage V)	2x210=420	Fuel linkage, associated transmission system clearance from environmental angle and Civil Aviation authorities and water availability are to betied up by project authorities. Provisions of Section 29 of the also to be complied with.
2. Muzaffarpur (T) Extension (Stage-II)	2x210=420 2x250=500	Fuel linkage, associated transmission system. clearance from envrionmental angle and Civil Aviation authorities are to be tied up by project authorities. Provisions of Section 29 of the Electricity (Supply) Act, 1948, are also to be complied with.
3. Chandil (T) (M/s RPG Enterprises)	2x250=500	Fuel linkage, associated transmission system clearance from environmental angle and Civil Aviation authorities and water availability are to be tied up by project authorities. Provisions of Section 29 and Section 44 ofthe Electricity(Supply) Act, 1948, are also to be complied with.